



E. I. DU PONT DE NEMOURS & COMPANY  
INCORPORATED  
WILMINGTON, DELAWARE 19898  
POLYMER PRODUCTS DEPARTMENT

*D. Agnes*  
*cc: J H Toul*  
*11/4/14*

Personal and Confidential

- CC: E. D. BOELTER  
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Complainant's  
Exhibit No. 34

4R 226-1566

April 13, 1981

TO: J. T. SMITH  
FROM: J. W. RAINES

AMMONIUM PERFLUOROOCTANOATE (FC-143)  
ONGOING PROGRAM

1. Employee Communication

Washington Works is considering additional employee communications dealing with our strong recommendation to female employees against considering sterilization for job-related reasons, and the reported birth of a child with birth defects to two female employees who worked in the FC-143 area. (An apparently normal child was born last week to a female employee who worked in the FC-143 area.)

2. Blood Analysis

We have established capability at the Experimental Station for analyzing 70 samples per week. Forty-eight blood samples from female employees from Washington Works were delivered last week. A listing of blood analysis needs is attached and shows need for about 650 analyses. Spruance is also establishing the method at their site.

*100 capacity in 2 weeks*

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April 13, 1981

3. Additional Haskell Studies

A FC-143 inhalation teratology study to determine a no-effect level in female rats will start 4/27. Some pups will be allowed to develop full term for observation, and the mothers' and fetuses' blood will be sampled. The full-term test will require about 8 months but useful information may be obtained sooner. Additional specimens will also be scouted. A reproduction study involving males and females is being considered.

4. Epidemiology

A study is being planned by Medical to determine if pregnancy outcome of female employees or wives of male employees working with FC-143 is causally related to occupational exposure to FC-143. This study will be conducted by questionnaires and will have adequate control populations.

JWR:ldr  
Attachment

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BLOOD SAMPLINGINITIAL ROUNDS

<u>Site</u>	<u>Dept.</u>	<u>First Priority</u>	<u>Second Priority</u>	<u>Controls</u>	<u>Total</u>
Washington Works (Parkersburg, WVA)	PPD	60	100	30	~200
Circleville	PPD	5	10	5	20
Chambers Works	PPD	1	9	3	13
Germay Park	PPD	<del>20</del>	<del>25</del> 16	<del>40</del>	<del>31</del> 1
Chestnut Run	PPD	1	15	4	20
Exp. Station	PPD	1	9	3	13
Dordrecht (Holland)	INT	0	50	10	60
MFC (Japan)	INT	0	50	10	60
Spruance	TF	51	61	15	127
Toledo	F&F	1	5	2	8
Phila. & Marshall Lab	F&F	5	9	4	18
Fairfield	F&F	0	5	2	7

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BLOOD SAMPLING (CONT'D)

<u>Site</u>	<u>Dept.</u>	<u>Frist Priority</u>	<u>Second Priority</u>	<u>Controls</u>	<u>Total</u>
Parker	F&F	1	4	2	7
Ajax	F&F	0	4	2	6
Mechelin	F&F	3	7	2	12
Bevard	PHOTO	1	5	2	8
Parlin	PHOTO	1	5	2	8
Rochester	PHOTO	1	5	2	8

G.T. 626

~650

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L. F. Percival

6/8/81

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① ~~Agnes~~  
cc: J. H. Todd  
Top 2 page - only

✓  
all

FLUOROSURFACTANTS  
ISD SEARCH

Name

Department

Site

Light Water AFF  
Foam Concentrate  
FC-600

Textile Fibers

Kinston, NC

Light Water  
FC-200

PPD

Parkersburg, W VA

Fluorochemical  
FC-X-330  
Petroleum Lab

Petchem

Deepwater, NJ

Light Water ATC  
West Germany

Textile Fibers

Wentrop

Fluorad®  
FC-128

Photo Products

Parlin  
Rochester  
Towanda  
Bevard

Fluorad®  
FC-170

F&F

All Finishes Plants  
and Fairfield

Fluorad®  
FC-176

Petchem

Petroleum Lab  
Deepwater, NJ

Fluorad®  
FC-430

Petchem  
F&F

Petroleum Lab  
All Finishes Plants

Fluorad®  
FC-431

Petchem  
F&F

Petroleum Lab  
Mechelin, Bel.  
Saugus, Calif

Photo Products

Parlin  
Towanda

Fluorad®  
FC-432

Petchem

Petroleum Lab

Scotch Guard  
FC-210

C&P

Jackson Lab

Scotch Guard  
FC-214-30

C&P

Jackson Lab

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FLURORSURFACTANTS  
ISD SEARCH (CONT'D)

<u>Name</u>	<u>Department</u>	<u>Site</u>
Scotch Guard FC-232	C&P	Jackson Lab
Scotch Guard FC-234	C&P	Jackson Lab
Scotch Guard FC-828	C&P	Jackson Lab

- What is FC-200 chemically?  
 - Related compounds should be investigated for handling practices, exposure, air borne concentrations, toxicology, etc.  
 what known about

L. F. Percival  
 4/13/81

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